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AMENDMENTS TO CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- (previously presented) A method for decreasing the ratio of liquiritigenin-derived isoflavones relative to total isoflavone levels in an isoflavonoid-producing plant the method comprising:
 - a) transforming a plant cell with a recombinant construct comprising a
 promoter operably linked to a nucleic acid sequence of at least 200
 nucleotides having at least 75% sequence identity to SEQ ID NO:4;
 - regenerating a transformed plant from the transformed plant cell of
 (a); and
 - c) evaluating the transformed plant obtained from step (b) for a reduced ratio of liquiritigenin-derived isoflavones relative to total isoflavone levels as compared to the ratio of liquiritigenin-derived isoflavones relative to total isoflavone levels in an untransformed plant.
- 2. (previously presented) The method of Claim 1 wherein the promoter is operably linked, in a sense orientation, to the nucleic acid sequence.
- 3. (previously presented) The method of Claim 1 wherein the promoter is operably linked, in an anti-sense orientation, to the nucleic acid sequence.
- 4. (previously presented) The method of Claim 1 wherein the recombinant construct comprises a stem-loop structure.
- 5. (previously presented) The method of Claim 4 wherein the nucleic acid sequence forms a stem in the stem-loop structure.
- 6. (previously presented) The method of Claim 4 wherein the nucleic acid sequence forms a loop in the stem-loop structure.

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- 7. (previously presented) The method of Claim 4 wherein the nucleic acid sequence forms a loop in the stem-loop structure and the stem consists essentially of SEQ ID NO:7.
- (previously presented) The method of Claim 1 wherein the promoter is a seed-specific promoter.
- 9. (previously presented) The method of Claim 1 wherein the isoflavonoid-producing plant is selected from the group consisting of soybean, clover, mung bean, lentil, hairy vetch, alfalfa, lupine, sugar beet, and snow pea.
- 10. (previously presented) An isoflavonoid-producing plant made by the method of any of Claims 1 to 8 wherein the plant has a reduced ratio of liquinitigenin-derived isoflavones relative to total isoflavone levels as compared to the ratio of liquiritigenin-derived isoflavones relative to total isoflavone levels in an untransformed plant.
- 11. (previously presented) The isoflavonoid-producing plant of Claim 9 wherein the plant is selected from the group consisting of soybean, clover, mung bean, lentil, hairy vetch, alfalfa, lupine, sugar beet, and snow pea.
 - 12. (previously presented) Seeds or plant parts of the plant of Claim 11.

Claims 13-20 (cancelled)

21. (previously presented) An isoflavonoid-producing plant comprising in its genome a recombinant construct comprising a promoter operably linked to a nucleic acid sequence of at least 200 nucleotides and having at least 75% sequence identity to SEQ ID NO;4 wherein the plant has a reduced ratio of liquiritigenin-derived isoflavones relative to total isoflavone levels as compared to the ratio of liquiritigenin-derived isoflavones relative to total isoflavone levels in an untransformed plant.

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- 22. (previously presented) The isoflavonoid-producing plant of Claim 21 wherein the plant is selected from the group consisting of soybean, clover, mung bean, lentil, hairy vetch, alfalfa, lupine, sugar beet, and snow pea.
- 23. (previously presented) The plant of Claim 22 wherein recombinant construct comprises a promoter operably linked, in sense orientation, to the nucleic acid sequence.
- 24. (previously presented) The plant of Claim 22 wherein recombinant construct comprises a promoter operably linked, in an anti-sense orientation, to the nucleic acid sequence.
- 25 (previously presented) The plant of Claim 22 wherein the recombinant construct comprises a stem-loop structure.
- 26. (previously presented) The plant of Claim 22 wherein the recombinant construct comprises a stem-loop structure in which the nucleic acid sequence forms the stem.
- 27. (previously presented) The plant of Claim 22 the recombinant construct comprises a stem-loop structure in which the nucleic acid sequence forms the loop.
- 28. (previously presented) The plant of Claim 22 wherein the recombinant construct comprises a stem-loop structure in which the nucleic acid sequence forms the loop in the stem-loop structure and the stem consists essentially of SEQ ID NO:7.
- 29. (previously presented) The plant of Claim 22 wherein the recombinant construct comprises a seed-specific promoter.
- 30. (previously presented) Seeds or plant parts of the plant of any of Claims 22-29.

Claims 31-39 (cancelled)